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湖南省桃江-城步断裂带北东段锑矿成矿规律及找矿模型 [点此下载全文](#)

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摘要:

桃江-城步断裂带是湘中“拗拉槽”中主要复活断裂之一, 由于多期复活, 因此具有规模大、切割深、控岩控矿明显的特点, 为湘中地区重要的控矿断裂带。北东段即指南西自安化廖家坪, 北东至桃江板溪的走向长度约40 km的地段, 该段主要切割了雪峰期及加里东期两个构造层, 并有中-大型规模脉状锑矿产出, 而正是这些脉状锑矿逐渐改变湘中锑矿储量的比例, 通过对该锑矿类型、特征、控矿构造组合型式、锑矿成矿规律、成矿-找矿模型的研究, 提出了新的认识, 并根据所建模型预测了大福坪锑矿和廖家坪金矿, 经验证分别达到了中型及大型规模。

关键词: [桃江城步断裂带北东段](#) [锑矿成矿规律](#) [找矿模型](#) [板溪式廖家坪式](#)

Metallogeny and Prospecting Model of Antimony Deposits at the Northeastern Section of the Taojiang-Chengbu Fault Zone in Hunan [Download Fulltext](#)

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Abstract:

The Taojiang-Chengbu fault zone is one of the main reactivation faults in the "aulacogen" of Central Hunan. Owing to repeated reactivation, the fault zone is characterized by large scale, deep dissection and evident rock- and ore-controlling effect, and is the important ore-controlling fault zone in Central Hunan. The northeastern part of the fault zone refers to the section from Liaojiaping, Anhua in the southwest to Banxi, Taojiang in the northeast, totaling 40 km in length. The section mainly cuts two structural beds, the Xuefeng and Caledonian strata. There occur middle- and large-scale vein antimony ore deposits along the fault zone, which has increased the proportion of antimony reserves of Central Hunan. New recognition is proposed in this paper based on the study of types and features of the deposits, association type of ore-controlling structures, metallogenic law and metallogenic-prospecting model of the antimony deposits. Based on the proposed model, the Dafuping antimony deposit and the Liaojiaping gold deposit were predicted and inferred to be a middle- and a large-scale deposit respectively.

Keywords: [northeastern section of the Taojiang-Chengbu fault zone](#) [metallogeny of antimony deposit](#) [prospecting model](#) [Banxi style](#) [Liaojiaping style](#)

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